CUSTOMARY CONVERSIONS

BATTLESHIP CARDS

Larger Unit to Smaller Unit • 4th Grade
Preparation:
1. Give each student a "Battleship Board" sheet, and an answer sheet.
2. Place the task cards around the room.

Completing the activity:
1. Find one of the task cards and solve the math problem on it. You do not need to solve the task cards in order. Record your answer on your answer sheet.
2. Read the coordinates that matches that answer and find those coordinates on your "Battleship Board" sheet. Write a ✓ in that box.
3. Repeat the same with all 24 task cards.
4. Compare your answers to the "Battleship Key" to confirm that you have sunk all of the battleships.

Notes:
- There are six battleships to be found:
  - 1 ship that is 6 boxes long
  - 1 ship that is 5 boxes long
  - 2 ships that are each 4 boxes long
  - 1 ship that is 3 boxes long
  - 1 ship that is 2 boxes long
- Battleships may be found vertically, horizontally, and diagonally.

Customary Measurement Conversions
Word Problems
Instructions (for Battleship)
Customary Conversions Word Problems

Problem #1
Anthony puts a 2 lb pineapple onto a scale. Then, he adds a watermelon that weighs 3 times as much as the pineapple onto the scale. How much do these two fruits weigh in ounces?

128 ounces - F7
8 ounces - J2
96 ounces - M5

Problem #2
Bethany has a spool of thread. She pulls out 1 ft 7 in of thread. Then, she decides to pull out another 2 ft 8 in of thread. She cuts the piece of thread. How long is the thread, in inches, that Bethany cut?

75 inches - A9
123 inches - E4
51 inches - M3

Problem #3
Eddie needs 5 gallons of water for the soccer team. He has 12 quarts of water already in his trunk. How many more quarts of water does Eddie need to buy?

8 quarts - G1
28 quarts - K8
3 quarts - O2

Problem #4
Duncan has a piece of wood that measures 2 yards 1 foot. He cuts the wood into 6 equal pieces. How many inches long is one piece of wood?

6 inches - L3
14 inches - C8
18 inches - F2
Customary Conversions
Word Problems

Problem #21

Mrs. Abrams is making lasagna for the neighborhood block party. Her recipe calls for 2 pints 1 cup of tomato sauce. If Mrs. Abrams needs to triple the recipe, how many cups of tomato sauce does she need?

12 cups – N6
15 cups – C5
27 cups – I3

Problem #22

At the store, Eliza buys 8 yards 2 feet of fabric. When she gets home, she cuts nine pieces of fabric that are each 2 feet 8 inches in length. How many inches of fabric does Eliza have remaining?

24 inches – E1
54 inches – H8
14 inches – K7

Problem #23

Ms. Matthews made punch for a party. She used 1 gallon 2 quarts of orange juice, 3 pints of grapefruit juice, and 1 quart 1 pint of ginger ale. At the end of the party, only 4 pints of punch remained. How many pints of punch did people drink at the party?

6 pints – J7
14 pints – C4
10 pints – D1

Problem #24

Julia bought 14 pounds 2 ounces of flour to use at her bakery this week. She plans to use it to bake cookies. If each batch of cookies requires 6 ounces of flour, how many complete batches of cookies can Julia bake?

38 batches – I9
28 batches – C3
37 batches – K5
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Battleship Board Preview
# Battleship Key

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*Note: The grid represents the battleship game board. The gray squares indicate the positions of the battleships.*
1. 128 ounces
2. 51 inches
3. 8 quarts
4. 14 inches
5. 3 pints
6. 35 ounces
7. 10 quarts
8. 21 ounces
9. 160 cups
10. 34 inches
11. 44 inches
12. 22 ounces
13. 35 quarts
14. 8 cups
15. 27 inches
16. 152 ounces
17. 20 feet
18. 13 ounces
19. 6 cups
20. 48 cups
21. 15 cups
22. 24 inches
23. 14 pints
24. 37 batches